

**Phil's 10" Sparger
Listermann Mfg.Co. Inc.
5131731-1130**

Assembly

The CPVC tubes and "T" fitting form a bracket. Insert the two shorter tubes into the "T"'s arms and the drilled tube into the vertical hole with the drilled hole end near the 'T'. Slip the three "O" rings over the ends of the tubes so that the bracket will not slide off your lauter tun. The brass sparge arm's stem is inserted into the drilled hole, spinning part down. The hose barbed elbow is an adapter to connect the sparge arm's stem to 3/8 I.D. hose. The short end of the elbow has been drilled out to fit over the stem. The short silicon plugs must be inserted into the ends of the sparge arm. They can be removed for clearing clogged holes.

Operation:

You will need a bucket or cooler to contain the hot sparge water. A common bottling bucket works very well. Any ordinary bucket can be used if a 7/16 hole is drilled near the bottom. Force a 1/2 O.D. - 3/8 I.D. vinyl hose into the hole. The other end of the hose is attached to the long end of the elbow. A common hose clamp can be used to control flow or a valve can be spliced into the hose. The sparge water bucket's bottom should be placed at least 12" above the sparger. Take care to keep the sparge water free of particulate matter which can clog the holes.

Control the flow so that the liquid level in the lauter tun is at or just above the level of the grist. You will find that the sparger produces a very fine gentle rain-like spray that is evenly distributed~